Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of the claims in this application.

Listing of the Claims:

1. (Original) An oligonucleotide comprising at least two hydrophobic anchoring moieties capable of being attached to a lipid membrane.

2. (Original) An oligonucleotide according to claim 1, wherein said hydrophobic anchoring moieties are located in its terminal ends.

3. (Currently Amended) An oligonucleotide according to claim 2 comprising a first strand and a second strand of nucleic acid, said two strands being hyridised to each other in a duplex section in a manner that a first strand terminal end is not a part of said duplex section and free from a hydrophobic anchoring moiety.

4. (Currently Amended) An oligonucleotide according to claim 2 ~~or 3~~, wherein two hydrophobic anchoring moieties are covalently attached to the adjacent terminal ends of said first and second strands.

5. (Currently Amended) An oligonucleotide according to claim 3 ~~or 4~~ comprising n additional strands; n being an integer and $n > 0$; wherein the additional strands are each provided with a terminal hydrophobic anchoring moiety, wherein a first additional strand is hybridized to said second strand and wherein a second additional strand is hybridized to the first additional

strand and strand n is hybridized to strand n-1.

6. (Original) An oligonucleotide according to claim 2 comprising a first and a second strand said two strands being hybridized to each other in a duplex region in a manner that leaves the first strand free to hybridize with a third strand.

7. (Original) An oligonucleotide according to claim 6, wherein said first strand has hydrophobic anchoring moieties in both terminal ends.

8. (Original) An oligonucleotide according to claim 7, wherein said third strand has a terminal hydrophobic anchoring moiety so first and third strands have adjacent hydrophobic anchoring moieties.

9. (Currently Amended) An oligonucleotide according to claim 1 ~~any of claims 1 to 8~~, wherein the hydrophobic anchoring moiety is selected among steroids, fatty acids, hydrophobic peptides and lipids.

10. (Original) An oligonucleotide according to claim 9, wherein the hydrophobic anchoring moiety is cholesterol or a derivative thereof.

11. (Currently Amended) An oligonucleotide according to claim 3 ~~to 10~~, wherein the hydrophobic anchoring moiety is spaced apart from the duplex section by a spacing group or a sufficient number of non-hybridized nucleic acid units.

12. (Currently Amended) An oligonucleotide according to claim 1 ~~any of claims 1-11~~ adapted and available to be linked by specific binding to a surface immobilized linker or to another lipid membrane attached linker.

13. (Currently Amended) An oligonucleotide according to claim 1 ~~any of claims 1-11~~ immobilized to a surface.

14. (Original) An oligonucleotide according to claim 2, wherein the first strand is longer than the second strand, said first and second strands have a duplex region involving the terminal end of the second strand.

15. (Original) An oligonucleotide according to claim 8, wherein the first strand has essentially double the amount of nucleic acid monomers than the second strand, said first and second strand have a cholesterol molecule attached to their free 5' and 3'-ends, respectively.

16. (Currently Amended) An oligonucleotide according to ~~any previous~~ claim 1 comprising a section of peptide nucleic acids (PNA) capable of forming PNA-peptide complexes.

17. (Original) An oligonucleotide according to claim 9, wherein the first strand is 30-mer DNA; the second strand is a 15-mer DNA having 12 complementary bases.

18. (Currently Amended) A lipid vesicle comprising an oligonucleotide according to claim 1

~~any of claims 1 to 10~~ attached to its lipid membrane.

19. (Currently Amended) A lipid vesicle according to claim ~~17~~ 18 comprising ~~contains~~ electrochemically detectable reporter molecules.

20. (Currently Amended) A lipid vesicle according to claim ~~11~~ 18 comprising biologically active compounds exhibiting biological functionality.

21. (Currently Amended) A lipid vesicle according to claim 20 ~~21~~, wherein said biologically active compound is a membrane protein.

22. (Currently Amended) A surface immobilized structure comprising a plurality of vesicles according to claim 18 ~~claims 18 to 21~~, wherein said vesicles ~~being~~ are adapted and available to be linked by specific binding to any of a surface immobilized linker, another lipid vesicle attached linker or ~~to~~ a surface immobilized oligonucleotide ~~according to claim 1~~3 comprising at least two hydrophobic anchoring moieties capable of being attached to a lipid membrane.

23. (Currently Amended) A biosensor including a surface immobilized oligonucleotide ~~structure~~ according to claim 13.

24. (Currently Amended) A method of forming a lipid membrane attached linker, wherein an oligonucleotide according to claim 1 ~~any of claims 1 to 17~~ having two or more hydrophobic anchoring moieties contacts a lipid membrane, thereby accomplishing a direct attachment of said

oligonucleotide by said moieties at adjacent sites on the same membrane.

25. (Original) A method according to claim 24, wherein said membrane forms a lipid vesicle.

26. (Currently Amended) A method according to claim 24 ~~or 25~~ wherein said membrane is a bilayer membrane.

27. (Original) A method according to claim 24, wherein said attachment is irreversible.